

Form PTO 1449, U.S. Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO. 09/864,921
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: Unassigned

U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILI NG DATE
<i>N</i>	5,223,409	06/29/93	Ladner et al.	435	69.7	03/0 1/91

FOREIGN PATENT DOCUMENTS

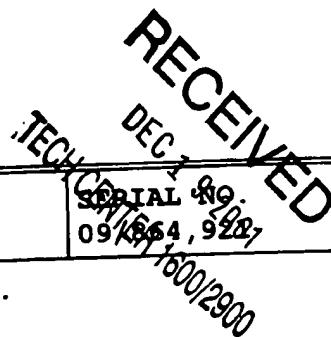
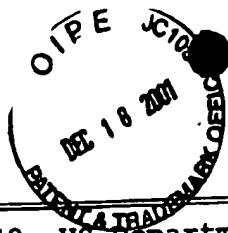
EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRAN SLAT ION (YES /NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>N</i>	Ahmad et al., "CRADD, a novel human apoptotic adaptor molecule for caspase-2, and FasL/tumor necrosis factor receptor-interacting protein RIP," <u>Cancer Res.</u> 57:615-619 (1997).
<i>N</i>	Altschul et al., "Gapped Blast and PSI-Blast: a new generation of protein database search programs," <u>Nucleic Acids Res.</u> , 25:3389-3402 (1997).

EXAMINER <i>N</i>	DATE CONSIDERED <i>1/21/09</i>
----------------------	-----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



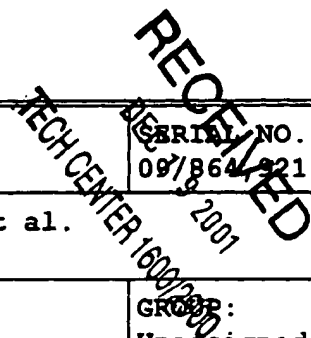
Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO. 09/654,920
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: Unassigned

N	Bertin et al., "Human CARD4 Protein is a Novel CED-4/Apaf-1 Cell Death Family Member that Activates NF-kB*," <u>J. Biol. Chem.</u> 274:12955-12958 (1999).
	DiDonato et al., "A cytokine-responsive IκB kinase that activates the transcription factor NF-kB," <u>Nature</u> 388:548-554 (1997).
	Ellerby et al., "Anti-cancer activity of targeted pro-apoptotic peptides," <u>Nature Med.</u> 5:1032-1038 (1999).
	Fletcher et al., "A synthetic inhibitor of interleukin-1 beta converting enzyme prevents endotoxin-induced interleukin-1 beta production <i>in vitro</i> and <i>in vivo</i> ," <u>J. Interferon Cytokine Res.</u> 15:243-248 (1995).
	Gregoriadis, Liposome Technology, Vols. I to III, 2nd ed., CRC Press, Boca Raton FL (1993). (Table of contents only)
	Hofmann et al., "The CARD domain: a new apoptotic signalling [sic] motif," <u>Trends Biochem. Sci.</u> 22:155-156 (1997).
	Holinger et al., "Bak BH3 Peptides Antagonize Bcl-x <sub>L</sub> Function and Induce Apoptosis through Cytochrome c-independent Activation of Caspases," <u>J. Biol. Chem.</u> 274:13298-13304 (1999).
	Inohara et al., "Nod1, an Apaf-1-like Activator of Caspase-9 and Nuclear Factor-kB," <u>J. Biol. Chem.</u> 274:14560-14567 (1999).
✓	Li et al., "Cytochrome c and dATP-Dependent Formation of Apaf-1/Caspase-9 Complex Initiates an Apoptotic Protease Cascade," <u>Cell</u> 91:479-489 (1997).
N	Neufeld and Rubin, "The Drosophila <i>peanut</i> Gene Is Required for Cytokinesis and Encodes a Protein Similar to Yeast Putative Bud Neck Filament Proteins," <u>Cell</u> 77:371-379 (1994).

BEST AVAILABLE COPY

EXAMINER N	DATE CONSIDERED 1/21/04
---------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



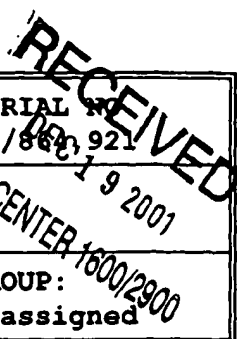
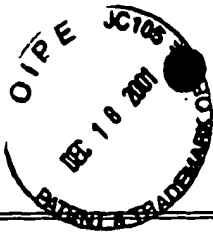
Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO. 09/864,321
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: Unassigned

N	Ogura et al., "Nod2, a Nod1/Apaf-1 family member that is restricted to monocytes and activates NF-κB", <u>J. of Biol. Chem.</u> 276 (7):4812-4818 (2001).
	Rano et al., "A combinatorial approach for determining protease specificities: application to interleukin-1 beta converting enzyme (ICE)," <u>Chem. Biol.</u> , 4:149-155 (1997).
	Rodriguez et al., "Dark is a <i>Drosophila</i> homologue of Apaf-1/CED-4 and functions in an evolutionarily conserved death pathway," <u>Nature Cell Biol.</u> 1:272-279 (1999).
	Rothe et al., "The TNFR2-TRAF Signaling Complex Contains Two Novel Proteins Related to Baculoviral Inhibitor of Apoptosis Proteins," <u>Cell</u> 83:1243-1252 (1995).
	Rotonda et al., "The three-dimensional structure of apopain/CPP32, a key mediator of apoptosis," <u>Nature Struc. Biol.</u> 3:619-625 (1996).
	Saleh et al., "Cytochrome c and dATP-mediated Oligomerization of Apaf-1 Is a Prerequisite for Procaspase-9 Activation," <u>J. Biol. Chem.</u> 274:17941-17945 (1999).
	Schwarze et al., "In Vivo Protein Transduction: Delivery of a Biologically Active Protein into the Mouse," <u>Science</u> 285:1569-1572 (1999).
	Tatusova and Madden, "Blast 2 Sequences, a new tool for comparing protein and nucleotide sequences," <u>FEMS Microbiol Lett.</u> 174:247-250 (1999).
	Thome et al., "Identification of CARDIAK, a RIP-like kinase that associates with caspase-1," <u>Curr. Biol.</u> 8:885-888 (1998).

BEST AVAILABLE COPY


EXAMINER 	DATE CONSIDERED 1/21/04
--------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



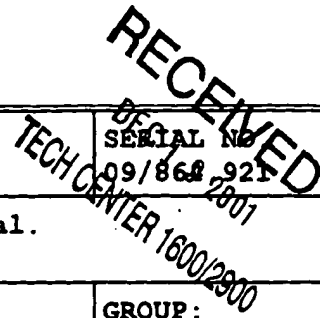
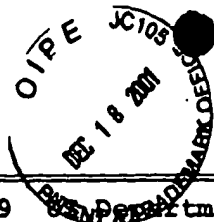
Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO: 09/868,921
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: Unassigned

N	Thornberry, Nancy A., "Caspases: key mediators of apoptosis," <u>Chemistry and Biology</u> 5:R97-R103 (1998).
	Thornberry et al., "A novel heterodimeric cysteine protease is required for interleukin-1 beta processing in monocytes," <u>Nature</u> , 356:768-774 (1992).
	Thornberry and Molineaux, "Interleukin-1 beta converting enzyme: a novel cysteine protease required for IL-1 beta production and implicated in programmed cell death," <u>Protein Sci.</u> , 4:3-12 (1995).
	Tschopp et al., "Inhibition of Fas death signals by FLIPs," <u>Curr. Op. Immunol.</u> 10:552-558 (1998).
	van der Biezen and Jones, "The NB-ARC domain: a novel signalling [sic] motif shared by plant resistance gene products and regulators of cell death in animals," <u>Curr. Biol.</u> 8:R226-R227 (1998).
	Vocero-Akbani et al., "Killing HIV-infected cells by transduction with an HIV protease-activated caspase-3 protein," <u>Nature Med.</u> 5:29-33 (1999).
	Willis et al., "Bcl10 is Involved in t(1;14)(p22;q32) of MALT B Cell Lymphoma and Mutated in Multiple Tumor Types," <u>Cell</u> 96:35-45 (1999)
	Yuan and Horvitz, "The <i>Caenorhabditis elegans</i> cell death gene <i>ced-4</i> encodes a novel protein and is expressed during the period of extensive programmed cell death," <u>Development</u> 116:309-320 (1992).
24	Zou et al., "Apaf-1, a Human Protein Homologous to <i>C. elegans</i> CED-4, Participates in Cytochrome c-Dependent Activation of Caspase-3," <u>Cell</u> 90:405-413 (1997).

EXAMINER 	DATE CONSIDERED 1/21/09
--	-------------------------


EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

BEST AVAILABLE COPY

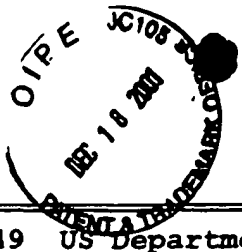


Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO: 09/868,921
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: Unassigned

N	Zou et al., "An APAF-1-Cytochrome c Multimeric Complex is a Functional Apoptosome that Activates Procaspase-9," <u>J. Biol. Chem.</u> 274:11549-11556 (1999)
	GenBank: AC008810
	GenBank: AC007728
	GenBank: NT-002476
	GenBank: AC010968
	GenBank: AP001153
	GenBank: AC022468
	GenBank: AP000799 (withdrawn)
	GenBank: AC023068
	GenBank: W58453
	GenBank: AA257158
	GenBank: AA046000
	GenBank: AW085161
	GenBank: AI189838
	GenBank: AA418021
	GenBank: AA046105
	GenBank: W58488
	GenBank: AA418193
N	GenBank: AA257066

EXAMINER 	DATE CONSIDERED 1/21/07
---	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED  
DEC 19 2001  
TECHNICAL STAFF/1600/2900

Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO: 09/864,921
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: Unassigned

~	GenBank: BAA14061.1
~	GenBank: AP000658

BEST AVAILABLE COPY

EXAMINER ~	DATE CONSIDERED 7/2/07
---------------	---------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED

BEST AVAILABLE COPY

TECH CENTER 1600/2900  
JUL 23 2002

PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO. 09/864,921
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: 1631

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

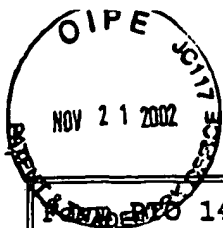
EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
~		WO 99/40102	8/12/99	PCT			
~		WO 01/18042	3/15/01	PCT			
~		WO 01/00826	1/4/01	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

~		Hofmann and Bucher, "The card domain: a new apoptotic signalling motif," TIBS, 22:155-156 (1997).
		Genbank accession no. AC025758
		Genbank accession no. AC016492
~		Genbank accession no. AC026732

EXAMINER	DATE CONSIDERED 1/21/07
----------	-------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO. 09/864,921
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: 1631

## U.S. PATENT DOCUMENTS


EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

RECEIVED  
NOV 22 2002

## FOREIGN PATENT DOCUMENTS

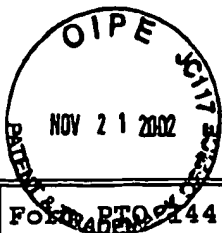
TECH CENTER 1600/2900

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
✓		WO 96/12016	04/25/96	PCT			
		WO 99/40102	08/12/99	PCT			
		WO 99/40102 (corrected)	08/12/99	PCT			
		WO 01/00826	01/04/01	PCT			
		WO 01/18042	03/15/01	PCT			
		WO 01/30971	05/03/01	PCT			
✓		WO 01/66690	09/13/01	PCT			
✓		WO 01/72822	10/04/01	PCT			

EXAMINER 	DATE CONSIDERED 1/24/03
---	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.






FOK 1449 PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO. 09/864,921
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: 1631

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

RECEIVED NOV 22 2002 TECH CENTER 1600/2900	<input checked="" type="checkbox"/>	Bertin et al., "Human CARD4 Protein Is a Novel CED-4/Apaf-1 Cell Death Family Member That Activates NF-kB," <u>Journal of Biological Chemistry</u> 274(19):12955-12958 (1999).
	<input type="checkbox"/>	Damiano et al., "CLAN, a Novel Human CED-4-like Gene," <u>Genomics</u> 75:77-83 (2001).
	<input type="checkbox"/>	Geddes et al., "Human CARD12 Is a Novel CED4/Apaf-1 Family Member That Induces Apoptosis," <u>Biochemical and Biophysical Research Communications</u> 284:77-82 (2001).
	<input type="checkbox"/>	Hofmann et al., "The CARD domain: a new apoptotic signalling motif," <u>TIBS</u> 22(5):155-156 (1997).
	<input type="checkbox"/>	Kobe and Deisenhofer, "Proteins with leucine-rich repeats," <u>Current Opinion in Structural Biology</u> , 3(5):409-416 (1995).
	<input type="checkbox"/>	Koonin and Aravind, "The NACHT family - a new group of predicted NTPases implicated in apoptosis and MHC transcription activation," <u>TIBS</u> 25(5):223-224 (2000).
	<input checked="" type="checkbox"/>	Ogura et al., "Nod2, a Nod1/Apaf-1 Family Member That Is Restricted to Monocytes and Activates NF-kB," <u>Journal of Biological Chemistry</u> 276(7):4812-4818 (2001).
	<input checked="" type="checkbox"/>	Poyet et al., "Identification of Ipaf, a Human Caspase-1-activating Protein Related to Apaf-1," <u>Journal of Biological Chemistry</u> 276:28309-28313 (2001).
	<input checked="" type="checkbox"/>	Rychlewski et al., "Comparison of sequence profiles. Strategies for structural predictions using sequence information," <u>Protein Science</u> 9:232-241 (2000).


EXAMINER 	DATE CONSIDERED 11/21/07
--	--------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 4752	SERIAL NO. 09/864,921
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: May 23, 2001	GROUP: 1631

RECEIVED NOV 22 2002 TECH CENTER 1600/2900	2	Stapleton et al., "The crystal structure of an Eph receptor SAM domain reveals a mechanism for modular dimerization," <u>Nature Structural Biology</u> 6(1):44-49 (1999).
	1	Database Accession No. AC007728, DATABASE EMBL, "Homo sapiens chromosome 16 clone RP11-327f22, complete sequence" (June 7, 1999).
		Database Accession No. AC010968, DATABASE EMBL, "Homo sapiens chromosome 2 clone RP11-9302, WORKING DRAFT SEQUENCE, 11 unordered pieces" (September 29, 1999).
		Database Accession No. AC016492, DATABASE EMBL, "Homo sapiens chromosome 4 clone RP11-94C22 map 4, LOW-PASS SEQUENCE SAMPLING" (December 10, 1999).
		Database Accession No. AC025758, DATABASE EMBL, "Homo sapiens chromosome 5 clone CTD-2235A13, WORKING DRAFT SEQUENCE, 16 ordered pieces" (March 16, 2000).
		Database Accession No. AC026732, DATABASE EMBL, "Homo sapiens chromosome 5 clone CTD-2303L1, complete sequence" (March 24, 2000).
	2	Database Accession No. AQ534686, DATABASE EMBL, "Homo sapiens genomic clone RPCI-11-384F21, genomic survey sequence," (May 18, 1999).

EXAMINER 	DATE CONSIDERED 1/21/09
---	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.